

Groundwater Management and Drought

SGMA Information Meetings – Public Forum

Katheryn Landau

Groundwater Management Program

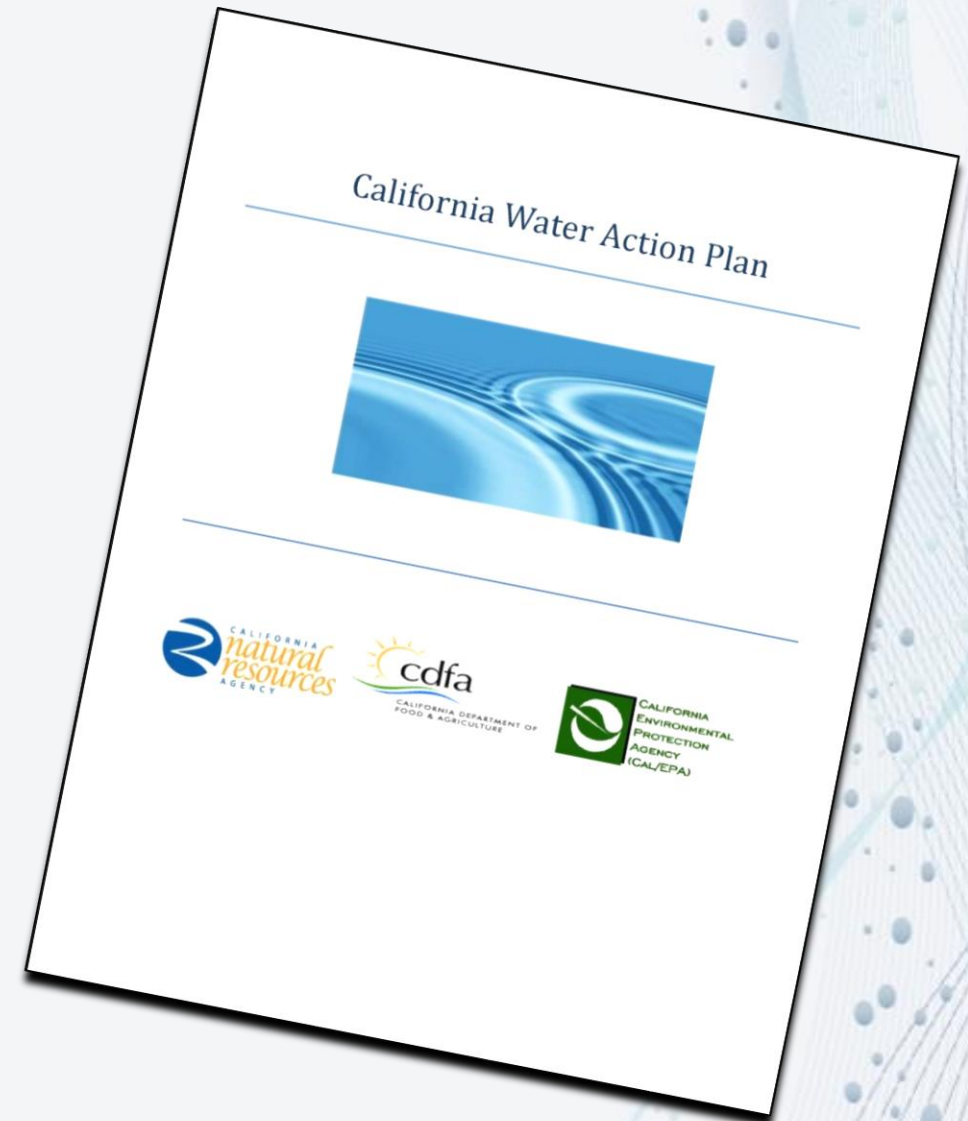
State Water Resources Control Board

Fall 2015



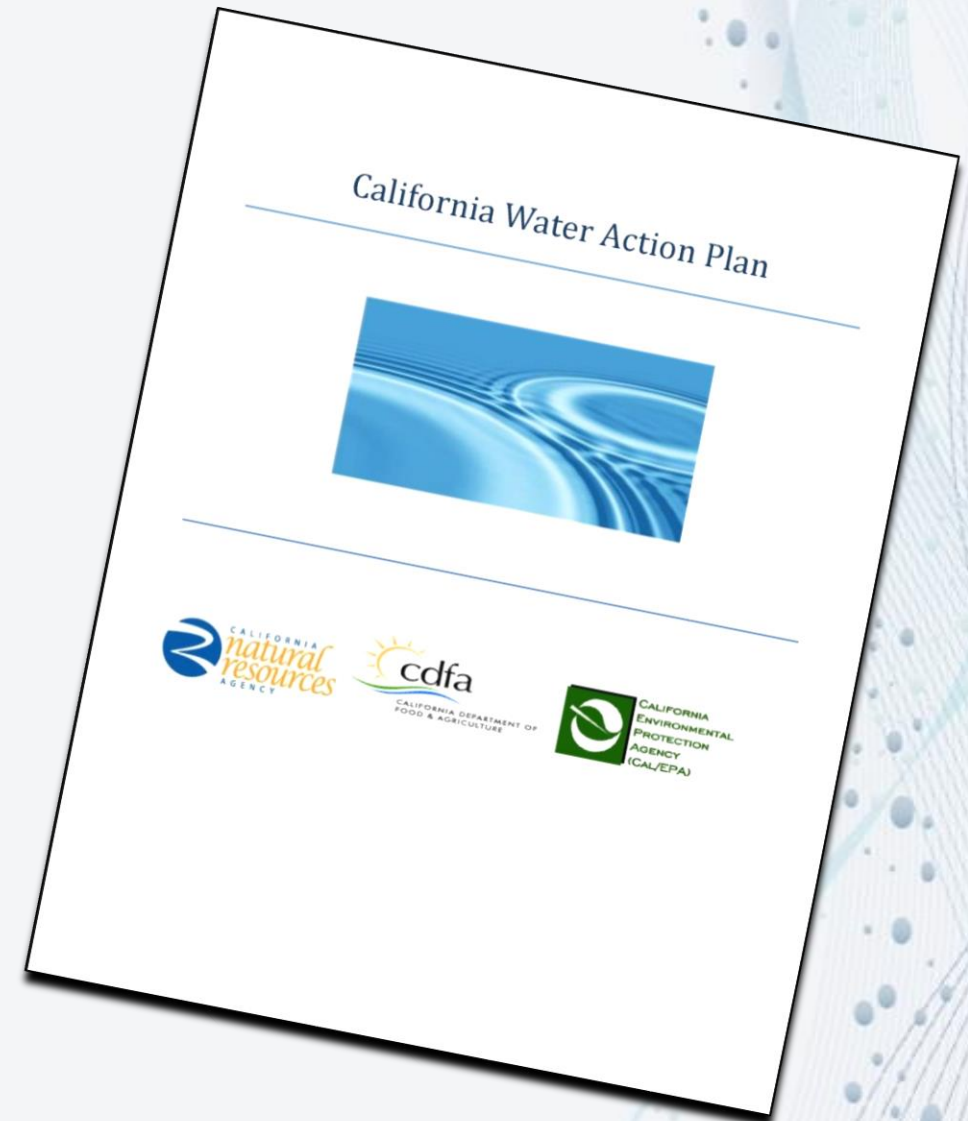
California Water Action Plan

- Released January 2014
- A roadmap for the first five years of the state's journey toward sustainable water management, addressing:
 - Investments in water conservation,
 - Water recycling,
 - Expanded water storage,
 - Safe drinking water,
 - Wetlands and watershed restoration, and
 - Sustainable groundwater management.



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Folsom Reservoir



Photo Credit: San Diego Metro

Lake Oroville



Photo Credit: San Diego Metro

East Porterville



Images from the Los Angeles Times

California's Water Supply

40% of California's annual water supply comes from groundwater in normal years

60% of California's water supply can come from groundwater in drought years

36 million Californians are partially served by groundwater every year

2 million Californians are served solely by groundwater every year

Surface Water Shortage Notices (Curtailments)



- 9,329 water rights have been affected by lack of supply
- Affected Watersheds:
 - Sacramento River
 - San Joaquin River
 - Delta
 - Scott River
- Latest Curtailment News
http://www.waterboards.ca.gov/water_rights/water_issues/programs/drought/water_availability.shtml

Emergency Urban Water Conservation Regulation

January 2014

Governor declares drought emergency



June 2014 – May 2015

Urban water suppliers called to achieve voluntary 20% savings



April 1, 2015

Governor set mandatory 25% statewide urban conservation goal



June 1, 2015

Urban water supplier conservation standards went into effect

Emergency Urban Water Conservation Regulation

All Californians are prohibited from:

1. Allowing runoff from sprinklers
2. Washing vehicles without auto shutoff nozzle
3. Washing driveways and sidewalks
4. Running fountains without recirculation systems
5. Irrigating during or 48 hours after rain events
6. Irrigating turf on street medians
7. Irrigating landscapes of newly constructed homes and businesses without drip or microspray

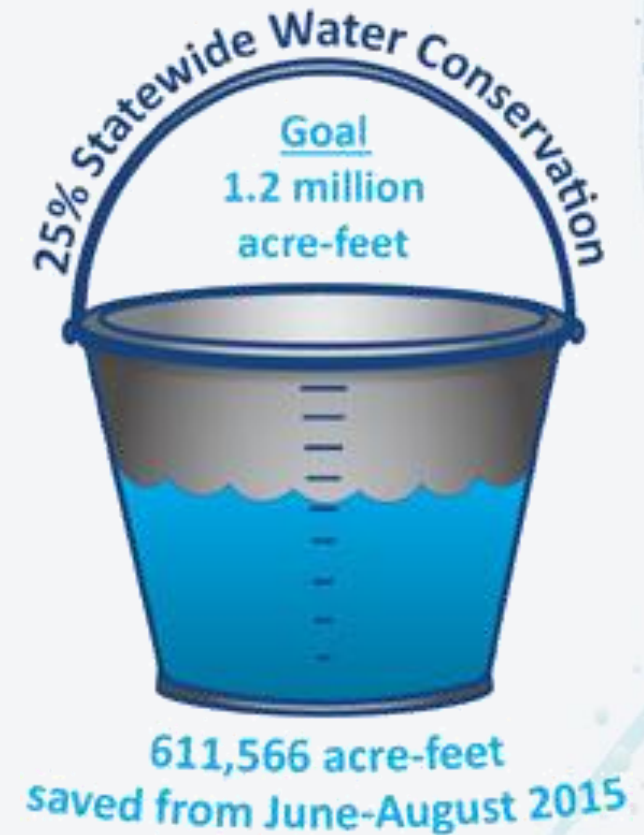
Emergency Urban Water Conservation Regulation – Requirements for Businesses

- Hotels and Motels – options for laundering linens
- Restaurants – only serve water on request
- Self-supplied – take conservation actions
- Small water suppliers (<3,000 connections) – take conservation actions and submit one-time report



Conservation Results June – August 2015

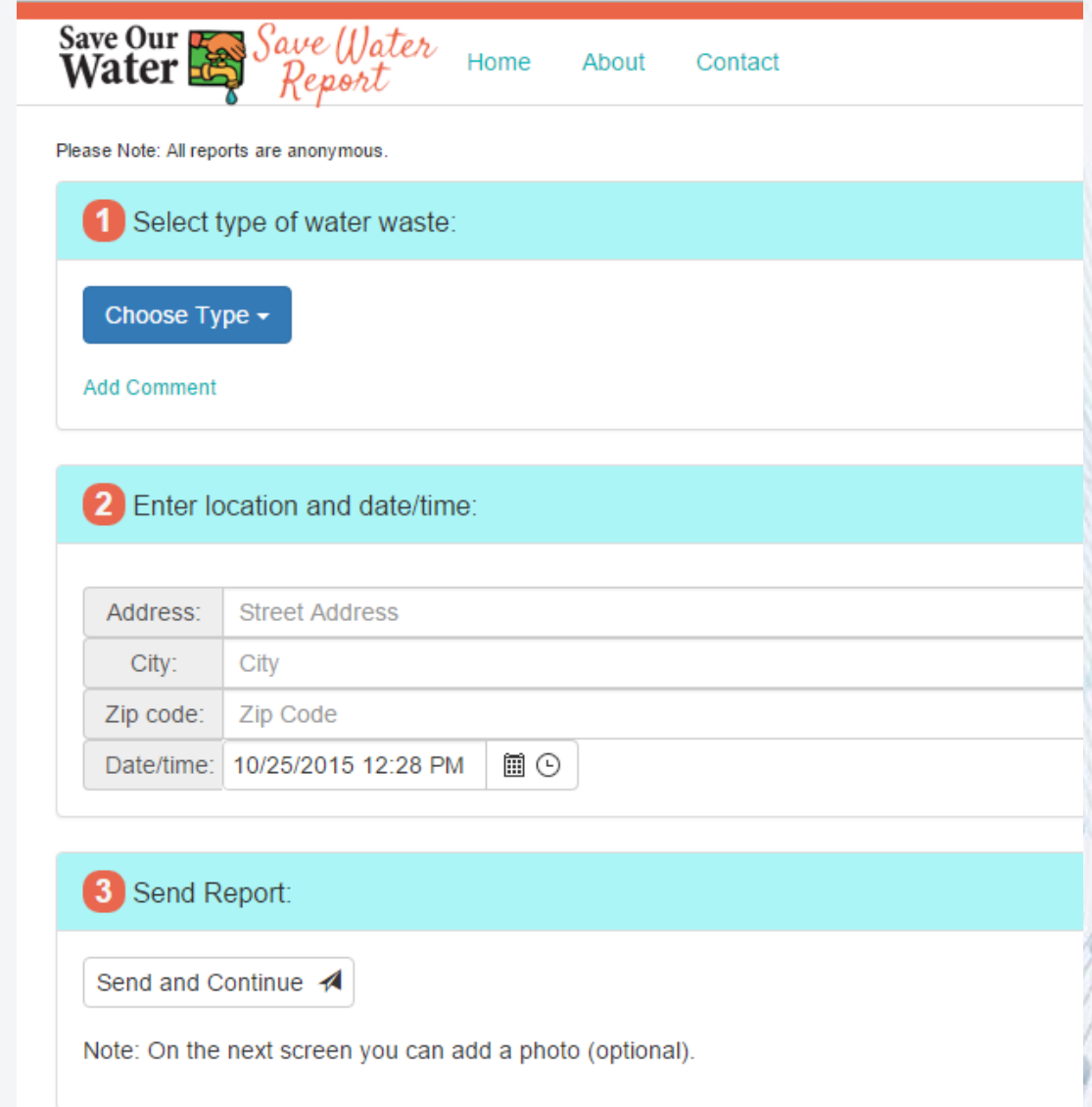
- 1.2 million acre-feet savings goal to be saved by February 2016
- In 3 months, Californians saved 611,566 acre-feet of potable water, or 51% of savings goal
- Californians have used 28.7% less water than was used in June – August 2013
- Latest Conservation News –
http://www.waterboards.ca.gov/water_issues/programs/conservation_portal/conservation_reporting.shtml



Report Water Waste

<http://savewater.ca.gov/>

- Report and send pictures of leaks or water waste from your smartphone, tablet, laptop or desktop computer
- Your report is sent to the water agency serving the location where the report was made
- All reporting is anonymous



The screenshot shows the 'Save Our Water' website's 'Save Water Report' page. The header includes the logo and navigation links: Home, About, and Contact. A note states: 'Please Note: All reports are anonymous.' The form is divided into three numbered steps:

- 1 Select type of water waste:** This section contains a blue button labeled 'Choose Type' with a dropdown arrow, and a link labeled 'Add Comment' below it.
- 2 Enter location and date/time:** This section contains a form with four rows: 'Address: Street Address', 'City: City', 'Zip code: Zip Code', and 'Date/time: 10/25/2015 12:28 PM' with a calendar icon.
- 3 Send Report:** This section contains a button labeled 'Send and Continue' with a right-pointing arrow, and a note below it: 'Note: On the next screen you can add a photo (optional).'

Domestic Dry Wells

- Since July 2014:
 - 2,900+ reported dry wells statewide;
 - Tulare County has reported 2,076 dry wells
 - 9 counties have reported that 50+ households have experienced water supply shortages.



Source: <https://mydrywatersupply.water.ca.gov/report/publicpage>

What Assistance is Available if My Domestic Well Has Gone Dry?

- Assistance available from your county, the Office of Emergency Services, and the Department of Housing and Community Development
- Programs provide alternative water sources for drinking water and/or sanitation
- County emergency manager information available at <http://www.caloes.ca.gov/ICESite/Pages/Drought.aspx>

Emergency Drinking Water Financial Assistance

- \$19 million in funding to meet emergency drinking water needs
 - \$4 million - contaminated water supply
 - \$15 million - drought-related drinking water emergencies or threatened emergencies
- Eligible Entities
 - Public Agencies
 - *Not-for-Profit Organizations*
 - *Tribal Governments*
 - *Community Water Systems*
- Eligible Project Examples
 - Bottled, Hauled Water
 - Well Repair/Rehabilitation, Well Replacement
 - Emergency Interties, Consolidation

*serving a
disadvantaged
community*



Emergency Drinking Water Financial Assistance



Need Assistance? Want More Information?

Conny Mitterhofer

Email: conny.mitterhofer@waterboards.ca.gov

Phone: (916) 341-5720

Website: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/caa/dw_droughtfund/

What does SGMA do?

- Established groundwater management structure to ensure regional long-term water supplies.
- Gives locals the tools to sustainably manage groundwater resources.
- Establishes State Intervention.
- However, SGMA does not alter existing groundwater or surface water rights -- but like land use, water use can be regulated.

How can I participate in SGMA?

Now

- Identify your groundwater basin
<http://www.water.ca.gov/groundwater/boundaries.cfm>

June
2017

- Participate in local agency formation

2020 or
2022

- Participate in developing sustainability plan

Have Questions?

Katheryn Landau

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Discussion - Evening

- **How can the State help** in implementing SGMA?
- **What can you expect** from the Department of Water Resources and the State Water Board?



Key Dates for Communities

